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EASTERN EUROPEAN MANPOWER AND
PHYSICAL PRODUCTION, 1950-1955

This report was prepared as a part of the US contribution to a NATO study comparing economic trends in the Free World and the Sino-Soviet bloc. Other parts of the US contribution concerned with East Europe are: E-5, Eastern European GNP, 1950-1955 and E-6, Eastern European GNP, 1955-1975.

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Eastern European Manpower and
Physical Production, 1950-1955

A. Population and Labor Force of the European Satellites

The total population of the seven European Satellites increased almost 4.9 percent between 1950 and 1955. Widely divergent trends were experienced among the countries, however. In Albania, for example, the total population increased 15 percent, while in East Germany the total population declined. Among the other countries the range was from a 10 percent increase in Poland to a 4.4 percent increase in Bulgaria.

Of a total of 94.5 million persons in 1955, almost 48 percent resided in Poland and East Germany, with the remaining 52 percent distributed among the five other Satellites.

The labor force of the Satellite countries was about 48 million persons in 1955. This represented an increase of 7.1 percent over 1950. Changes in the labor force experienced by the individual Satellites ranged from an increase of 13 percent in Poland to a decline of 6 percent in East Germany.

Without exception, the agricultural labor force declined relative to the total in the European Satellites from 1950 to 1955. In fact, with the exception of Poland and Bulgaria, the Satellites experienced a decline in the number of persons employed in agriculture. On the other hand, the non-agricultural labor force increased in all countries except East Germany and the average for the Satellites was almost 17 percent for the five year period.

The estimates of population and labor force presented in this report were prepared, where possible, from official data. The agricultural labor force is so defined as to exclude workers in forestry and fishing. These categories are included in the non-agricultural labor force.

TABLE 1

Population of the European Satellites, 1950-1955

	<u>Thousands (mid-year)</u>			
	<u>1950</u>	<u>1953</u>	<u>1954</u>	<u>1955</u>
Albania	1220	1300	1340	1350
Bulgaria	7250	7370	7470	7570
Czechoslovakia	12400	12810	12950	13090
East Germany	18400	18000	17800	17500
Hungary	9330	9590	9690	9800
Poland	24700	26250	26750	27280
Rumania	16370	17020	17230	17430
Total	90140	92740	93640	94510

TABLE 2

Civilian Labor Force of the European Satellites, 1950-1955

	<u>Thousands (Annual Average)</u>			
	<u>1950</u>	<u>1953</u>	<u>1954</u>	<u>1955</u>
Albania	525	530	534	540
Bulgaria	3720	3830	3990	4160
Czechoslovakia	5910	6330	6470	6560
East Germany	8330	8080	7955	7800
Hungary	4360	4820	4850	4850
Poland	12310	13465	13810	13965
Rumania	9870	10200	10270	10380
Total	45025	47255	47879	48255

TABLE 3

Civilian Labor Force: Bulgaria

A. <u>Thousand Persons</u>	<u>1950</u>	<u>1953</u>	<u>1954</u>	<u>1955</u>
Agriculture	2870	2870	2920	3020
Non-Agriculture	<u>850</u>	<u>960</u>	<u>1070</u>	<u>1140</u>
Total	3720	3830	3990	4160
B. <u>Percent</u>				
Agriculture	77	75	73	72
Non-Agriculture	23	25	27	28
C. <u>Index (1950 = 100)</u>				
Agriculture	100	100	102	105
Non-Agriculture	100	113	126	134
Total	100	103	107	112

TABLE 4

Civilian Labor Force: Czechoslovakia

A. <u>Thousand Persons</u>	<u>1950</u>	<u>1953</u>	<u>1954</u>	<u>1955</u>
Agriculture	2070	1610	1610	1710
Non-Agriculture	<u>3840</u>	<u>4720</u>	<u>4860</u>	<u>4850</u>
Total	5910	6330	6470	6560
B. <u>Percent</u>				
Agriculture	35	25	25	26
Non-Agriculture	65	75	75	74
C. <u>Index (1950 = 100)</u>				
Agriculture	100	78	78	83
Non-Agriculture	100	123	126	126
Total	100	107	109	111

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TABLE 5

Civilian Labor Force: East Germany

A. <u>Thousand Persons</u>	<u>1950</u>	<u>1953</u>	<u>1954</u>	<u>1955</u>
Agriculture	2100	1670	1620	1610
Non-Agriculture	<u>6230</u>	<u>6410</u>	<u>6335</u>	<u>6190</u>
Total	8330	8080	7955	7800
B. <u>Percent</u>				
Agriculture	25	21	20	21
Non-Agriculture	75	79	80	79
C. <u>Index (1950 = 100)</u>				
Agriculture	100	80	77	77
Non-Agriculture	100	103	102	99
Total	100	97	95	94

TABLE 6

Civilian Labor Force: Hungary

A. <u>Thousand Persons</u>	<u>1950</u>	<u>1953</u>	<u>1954</u>	<u>1955</u>
Agriculture	2120	2040	2110	2070
Non-Agriculture	<u>2240</u>	<u>2780</u>	<u>2740</u>	<u>2780</u>
Total	4360	4820	4850	4850
B. <u>Percent</u>				
Agriculture	49	42	44	43
Non-Agriculture	51	58	56	47
C. <u>Index (1950 = 100)</u>				
Agriculture	100	96	100	98
Non-Agriculture	100	124	122	124
Total	100	110	111	111

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TABLE 7

Civilian Labor Force: Poland

A. <u>Thousand Persons</u>	<u>1950</u>	<u>1953</u>	<u>1954</u>	<u>1955</u>
Agriculture	7260	7538	7674	7618
Non-Agriculture	<u>5050</u>	<u>5927</u>	<u>6136</u>	<u>6347</u>
Total	12310	13465	13810	13965
B. <u>Percent</u>				
Agriculture	59	56	56	54
Non-Agriculture	41	44	44	46
C. <u>Index (1950 = 100)</u>				
Agriculture	100	104	106	105
Non-Agriculture	100	117	122	126
Total	100	109	112	113

TABLE 8

Civilian Labor Force: Rumania

A. <u>Thousand Persons</u>	<u>1950</u>	<u>1953</u>	<u>1954</u>	<u>1955</u>
Agriculture	7170	7000	7000	7040
Non-Agriculture	2700	3200	3270	3340
Total	9870	10200	10270	10380
B. <u>Percent</u>				
Agriculture	73	69	68	68
Non-Agriculture	27	31	32	32
C. <u>Index (1950 = 100)</u>				
Agriculture	100	98	98	98
Non-Agriculture	100	118	121	124
Total	100	103	104	105

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B. Agricultural Production in the European Satellites

Three Satellites; Poland, Bulgaria and Rumania, appear to have achieved pre-war levels of agricultural production. Czechoslovakia, East Germany and Hungary, however, have not achieved the pre-war production levels. For all Satellites the index of agricultural production in 1955 was above the 1950 level.

The estimates of the production of selected agricultural products presented in this report were derived, where possible, from official statements. In some cases, conflicting official claims existed. In these instances, estimates were made which, in general, conform to the trends indicated by the official figures.

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TABLE 9
Bulgaria: Agricultural Production

Production of selected crops (thousand metric tons)	Average		1948	1951	1952	1953	1954	1955	Average 1951-55
	1935-39	1935-39							
Bread grains									
Wheat	2163	2295	2334	1993	2157	2264	2394	2228	
Rye	1880	2041	2070	1755	1905	2000	2115	1969	
Fodder grains	283	254	264	233	252	264	279	259	
Corn	1415	1455	1448	386	440	1357	1528	1298	
Barley	906	889	880	440	744	308	1800	814	
Oats	378	435	428	342	401	419	390	396	
Potatoes	131	131	140	104	124	130	122	124	
Rice	113	103	103	62	90	85	127	94	
Cotton (ginned)	21	21	27	23	24	25	24	25	
Wool (grease)	7.0 ^{a/}	6.5	12.5	10.0	14.0	18.5	18.5	14.7	
Sugar (raw)	13.3 ^{b/}	12.4	13.3	13.4	13.5	13.6	14.4	13.6	
	22	74	62	50	70	55	62	60	
Numbers of livestock (thousands on 1 January)									
Cattle	1822 ^{c/}	1598	1500	1575	1508	1568	1599	1550	
Hogs	833	825	1500	1445	1390	1335	1469	1423	
Sheep and goats	9558	9810	9305	9127	8868	8600	8699	8720	
Horses	532	508	513	495	477	460	460	481	
a. Average, 1934-38									
b. 1938									
c. Average, 1935-37									

TABLE 10
Czechoslovakia: Agricultural Production

Production of selected crops (thousand metric tons)	Average		1948		1951		1952		1953		1954		1955		Average	
	1935-39														1951-55	
Bread grains	3127	2668	2670	2547	2608	1906	2432	2453								
Wheat	1550	1415	1480	1416	1521	1103	1484	1401								
Rye	1577	1273	1190	1131	1187	802	948	1052								
Fodder grains	2649	2138	2362	2251	2444	2359	2688	2421								
Corn ^{a/}	287	306	294	224	219	381	417	307								
Barley	1128	925	1054	1067	1200	1114	1297	1146								
Oats	1234	907	1014	960	1025	865	974	968								
Potatoes	10102	6550	6528	4506	5069	5100	6000	5441								
Rice	0	0	0	0	0	0	0	0								
Cotton (ginned)	0	0	0	0	0	0	0	0								
Wool (grease)	1.1 ^{b/}	0.8	1.2	1.5	1.5	2.0	2.0	1.6								
Sugar (raw)	648	634	725	625	653	642	652	659								
Numbers of livestock (thousands on 1 January)																
Cattle	4475	3276	4213	4213	4213	4064	4064	4126								
Hogs	3174	2566	3800	4200	3307	3307	3877	3698								
Sheep	4922 ^{c/}	386	530	696	700	892	892	742								
Horses	654	630	630	630	620	620	620	624								
Goats	994	922	1013	1000	1000	1000	1000	1003								

a. Includes miscellaneous grains
b. 1933
c. Average, 1934-38

TABLE 11

East Germany: Agricultural Production

	Average 1935-39	1948	1951	1952	1953	1954	1955	Average 1951-55
Production of selected crops (thousand metric tons)								
Bread grains	3723	3025	3623	3276	2824	2683	3028	3087
Wheat	1589	1150	1157	1053	830	848	1048	997
Rye	2134	1875	2466	2223	1944	1835	1980	2090
Fodder grains	2769	1550	2306	1958	1942	1043	1982	2007
Miscellaneous (including corn)	ra	ra	280	293	283	270	290	283
Barley	1078	550	573	581	598	535	616	581
Oats	1691	1000	1453	1084	1061	1043	1076	1143
Potatoes	13627	11551	11152	10162	10400	11700	10500	10783
Rice	0	0	0	0	0	0	0	0
Cotton (ginned)	0	0	0	0	0	0	0	0
Wool (grease)	6.22/	3.0	3.6	3.9	4.6	4.9	5.5	4.5
Sugar (raw)	872	680	750	539	750	550	650	648
Numbers of livestock (thousands on 1 January)								
Cattle	3577 ^{b/}	2783	3615	3801	3877	3796	3793	3776
Hogs	5744 ^{b/}	2074	5705	7008	9099	8208	8367	7693
Sheep and goats	2252 ^{b/}	1758	2698	2813	2747	2679	2842	2722
Horses	810 ^{b/}	650	718	743	750	731	695	727

a. 1938.
b. Average, 1934-1938.

Hungary: Agricultural Production
TABLE 12

	Average 1935-39	1948	1951	1952	1953	1954	1955	Average 1951-55
Production of selected crops (thousand metric tons)								
Bread grains	3228	2350	3272 ^{a/}	2273	2399	2036	2418	2430
Wheat	2482	1715	2522	1764	1879	1558	1903	1925
Rye	746	635	750	509	520	478	515	554
Fodder grains	3235	3697	3462	1930	3037	2648	3306	2837
Corn	2337	2667	2424	1215	2347	1972	2429	2077
Barley	657	740	768	536	543	513	682	608
Oats	291	290	270	229	147	163	195	201
Potatoes	2166	2068	2020	982	1650	1378	2080	1722
Rice	0	36	40	37	47	47	25	39
Cotton (ginned)	0	0	2.4	0.8	2.5	2.5	2.5	2.1
Wool (grease)	6.2 ^{b/}	2.0	2.8	3.3	3.3	3.6	4.3 ^{c/}	3.4
Sugar (raw)	113	245	260	210	287	274	320	270

Numbers of livestock (thousands in March)

Cattle	1905	1675	1750	1900	1715	1715	1725	1761
Hogs	3620	2350	4300	4700	4950	4400	5800	4330
Sheep	1490	591	727	987	937	1094	1294 ^{c/}	1018
Horses	803 ^{d/}	516	530	620	620	620	620	612
Goats	66 ^{d/}	38	33	33	83	83	88	83

- a. An alternative source reports production of 2,900,000 metric tons.
b. 1936
c. An alternative estimate for numbers of sheep is 1,700,000. This figure is derived from a report of wool production of 5,300 metric tons, which may include more than sheep wool (e.g. mohair).
d. 1939

TABLE 13
Poland: Agricultural Production

	Average 1935-39	1943	1951	1952	1953	1954	1955	Average 1951-55
Production of selected crops (thousand metric tons)								
Bread grains								
Wheat	9223	7920	7930	7361	6708	7846	8444	7658
Rye	2014	1620	1850	1631	1854	2002	1964	1360
Fodder grains	7214	6300	6080	5730	4354	5344	6480	5798
Corn	4616	3442	3183	3593	3291	3159	3271	3301
Barley	negl	negl	negl	negl	negl	negl	negl	negl
Oats	1655	1010	1143	1220	1124	1086	1179	1150
Potatoes	2961	2402	2045	2378	2167	2073	2092	2151
Rice	3798	26761	27200	23660	31301	35662	25320	28829
Cotton (ginned)	0	0	0	0	0	0	0	0
Wool (grease)	0	0	0	0	0	0	0	0
Sugar (raw)	3.12/	1.8	3.4	5.2	6.7	9.2	9.6	6.3
	898	624	858	826	1107	1036	980	961
Numbers of livestock (thousands in June)								
Cattle	9924 ² /	5748	6500	7255	7385	7630	7686	7301
Hogs	9684 ² /	4626	7320	8548	9730	9730	9783	9023
Sheep and goats	2720 ² /	2006	2300	3520	3980	4312	4850	3992
Horses	3149 ² /	2297	2780	2863	2720	2720	2650	2747

a. 1938

TABLE 14

Rumania: Agricultural Production

Production of selected crops (thousand metric tons)	Average		1948		1951		1952		1953		1954		1955		Average	
	1935-39														1951-55	
Bread grains																
Wheat	3302		2712		2867		2072		2317		2178		3300		2547	
Rye	3048		2585		2725		1966		2191		2058		3120		2412	
Fodder grains	254		127		142		106		126		120		180		135	
Corn	5523		4983		5029		2648		3380		4472		5310		4168	
Barley	4369		4068		4095		2088		2570		3800		4422		3395	
Oats	610		414		457		259		390		360		500		393	
Potatoes	544		501		477		301		420		312		388		380	
Rice	1308		1224		2117		1348		1588		1640		2188		1776	
Cotton (ginned)	1		16		30		22		26		48		58		37	
Wool (grease)	0.15		3.5		7.5		5.5		5.0		7.5		7.5		6.6	
Sugar (raw)	-18.5		18.4		19.0		19.6		18.1		20.2		21.6		19.7	
	6627		112		125		95		106		134		174		127	
Numbers of livestock (thousands on 31 December)																
Cattle	3536c/		4184		4377		4567		4674		4767		4800		4637	
Hogs	2511c/		1590		2500		3000		3664		3650		3865		3336	
Sheep and goats	9748c/		11506		11210		11510		10914		11796		12601		11606	
Horses	1492c/		998		1060		1100		1000		1025		1025		1042	
a. Average 1934-38																
b. 1938																
c. Average, 1935-37																

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C. Industrial Production in the European Satellites

Without exception, the European Satellites achieved a substantial increase in industrial production from 1950 to 1955. Reflecting the scale of priorities introduced by Communism, emphasis was placed upon the growth of heavy industry and its supporting sectors in the economy. Light industry, a residual claimant on resources, grew much more slowly.

As in the case of the estimates of agricultural production, the estimates of the production of industrial commodities proceed, where possible, from official statements. In the case of differing data from official sources, estimates were made which conform to the trends indicated by the official figures.

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TABLE 15
Bulgaria: Industrial Production

	Units	Pre-war 1938	1948	1950	1953	1954	1955
Hard coal	000 metric tons	145	130	151	213	223	298
Brown coal and lignite	000 metric tons	1941	4147	5435	8128	8697	9071
Crude petroleum	000 metric tons		0	0	0	0	155
Electric power	billion kw/h	.232	.548	.730	1.6	1.3	2.1
Crude steel	000 metric tons	21	26	26	63	137	142
Copper (refined)	metric tons	negl	1000	1900	5400	6400	7400
Aluminum	metric tons	0	0	0	0	0	0
Sulphuric acid (100% acid basis)	000 metric tons	0	0	negl	6	6.4	8.1
Cement	000 metric tons	180	380	594	714	793	825
Commercial vehicles							
Trucks	units	0	0	0	0	0	0
Buses	units	0	0	0	0	0	0
Passenger cars	units	0	0	0	0	0	0
Merchant vessels a/	000 GRT	0	0	0	0	0	0
Lumber	million cubic meters	3.73	6.00	7.00	10.50	10.75	10.75
Total footwear	million pairs	1.32	1.3	1.7	2.5	2.7	2.9
Leather		negl	.5	.9	1.3	1.4	1.5
Cotton fabric	million linear meters	33 1/2	60	84	115	120	135
Tractors	units	0	0	0	0	0	0
Mainline locomotives	units	0	1	0	0	0	0
Mainline freight cars	units	0	0	0	600	600	1000
(2-axle equivalent units)							
Machine tools	units	0	0	50	100	100	200

a. Maritime vessels excluding fishing vessels.
b. 1939

TABLE 16
Czechoslovakia: Industrial Production

	Units	Pre-War 1938	1948	1950	1953	1954	1955
Hard coal	000 metric tons	15836	17745	18456	20341	21561	22100
Brown coal and lignite	000 metric tons	16027	23590	27506	34322	38700	40700
Crude petroleum	000 metric tons		30	63	120	120	130
Electric power	billion kw-h	4.05	7.52	9.27	12.5	13.6	15.0
Crude steel	000 metric tons	2300	2500	2700	3700	4300	4500
Copper (refined)	metric tons	na	600	1000	3000	4500	23000
Aluminum	metric tons	0	0	0	1000	7000	20000
Sulphuric acid (100% acid basis)	000 metric tons	130	195.6	204.8	284.6	314.0	363.2
Cement	000 metric tons	1273	1658	1991	2404	2644	2938
Commercial vehicles							
Trucks	units	1600	7000	9000	11500	11000	10500
Buses	units	na	na	400	1000	na	na
Passenger cars	units	11400	16200	24200	12000	12000	12500
Merchant vessels a/	000 GRT			0	0	0	0
Lumber	million cubic meters	13.0	10.5	12.0	11.0	10.5	10.5
Total footwear	million pairs	55.0 ^{b/}	64.4	69.5	72.5	73.5	63.0
Leather		na ^{b/}	27.7	29.9	33.7	34.7	29.6
Cotton fabric	million linear meters	377 ^{b/}	280	361	347	327	340
Tractors	units	200 ^{b/}	9098	10000	13000	14000	12300
Mainline locomotives	units	74 ^{b/}	301	350	400	400	400
Mainline freight cars	units	1725 ^{b/}	11000	14000	15700	15700	15700
(2 axle equivalent units)							
Machine tools	units	7000	11300	13500	14300	15000	15700

a. Maritime vessels excluding fishing vessels.
b. 1937

TABLE 17

East Germany: Industrial Production

	Units	Pre-War 1938	1948	1950	1953	1954	1955
Hard coal	000 metric tons	351.3	2848	2807	2638	2648	2630
Brown coal and lignite	000 metric tons	119647	110863	137040	172752	181900	200075
Crude petroleum	000 metric tons		0	0	0	0	negl
Electric power	billion kWh	18.0	15.4	19.5	24.2	26.9	28.7
Crude steel	000 metric tons	1695	332	1000	2450	2600	2720
Copper (refined)	metric tons	29500	14700	27800	39700	42500	44100
Aluminum	metric tons	78700	400	1900	16300	26000	26500
Sulphuric acid (100% acid basis)	000 metric tons	447.1	185.7	279.8	432.4	531.3	594.0
Cement	000 metric tons	2500	918	1400	2405	2597	2970
Commercial vehicles							
Trucks	units	na	267	1440	10350	11380	11380
Buses	units	na	na	na	na	na	na
Passenger cars	units	na	1260	7150	15432	16500	16000
Merchant vessels b/	000 GRT	na					
Lumber	million cubic meters	16.0	18.50	5.6	11.7	40.3	61.1
Total footwear	million pairs	40.0	17.4	14.6	13.15	12.90	12.90
Leather		15.3	6.0	32.3	43.2	45.0	40.7
Cotton fabric	million linear meters			3.0	17.5	19.0	17.6
Tractors	units	na	na	100	227.3	264.9	306.2
Mainline locomotives	units	na	0	5170	7435	8780	6600
Mainline freight cars	units	na	4400	0	0	1	3
(2-axle equivalent units)							
Machine tools	units	38000	7600	16000	26000	28000	30000

- a. Official reports apparently fail to include cast steel produced in certain major machine building plants, thus this estimate is somewhat above the reported figures.
- b. Maritime vessels excluding fishing vessels.
- c. 1936.

TABLE 18
Hungary: Industrial Production

	Units	Pre-War 1938	1948	1950	1953	1954	1955
Hard coal	000 metric tons	1039	1238	1406	2108	2550	2730
Brown coal and lignite	000 metric tons	8321	9377	11862	19133	19465	20020
Crude petroleum	000 metric tons		430	450	780	1200	1600
Electric power	billion kWh	1.40	2.02	2.79	4.6	4.83	5.45
Crude steel	000 metric tons	647	750	1043	1543	1492	1600
Copper (refined)	metric tons	negl	negl	negl	negl	negl	negl
Aluminum	metric tons	1520	9400	21650	30000	32300	37000
Sulphuric acid (100% acid basis)	000 metric tons	40.0	21.4	53.0	126.5	110.0	111.0
Cement	000 metric tons	342	316	796	1100	967	1200
Commercial vehicles	units						
Trucks	units	553	375	1500	5500 ^a / _{3000^a}	5000 ^a / _{1600^a}	4000 ^a / _{1600^a}
Buses	units	na	na	500	0	0	0
Passenger cars	units	237	0	13.8	17.2	16.3	15.6
Merchant vessels ^b / _{Lumber}	000 GRT			3.0	3.0	3.0	3.0
Total footwear	million cubic meters	3.1	3.0	3.0	3.0	3.0	3.0
Leather	million pairs	4.7	4.5	7.2	9.6	11.7	13.9
Cotton fabric	million linear meters	3.5	4.2	6.7	8.4	10.5	12.3
Tractors	units	185.0	220.5	282.0	334.0	362.2	378.7
Mainline locomotives	units	na	900	4140	1000	3740	4000
Mainline freight cars	units	70	170	100	135	160	185
(2-axle equivalent units)	units	3000	7200	10000	9000	9000	9000
Machine tools	units	30	550	1300	3600	4000	6000

- a. Conflicting official statements indicate that this estimate represents a maximum. The lower statement implies a total of 5133 trucks, buses and trailers in 1955.
- b. Maritime vessels excluding fishing vessels.

TABLE 19
Poland: Industrial Production

	Units	Pre-War				
		1938	1948	1950	1953	1954
Hard coal	000 metric tons	69393	70262	78001	88700	91600
Brown coal and lignite	000 metric tons	5300	5000	4800	5600	5900
Crude petroleum	000 metric tons		130	162	139	184
Electric power	million kwh	6.96	7.51	9.41	13.6	15.4
Crude steel	000 metric tons	1400	2000	2500	3600	4000
Copper (refined)	metric tons	na	na	na	12500	17000
Aluminum	metric tons	0	0	0	0	2500
Sulphuric acid (100% acid basis)	000 metric tons	196.0	222.3	284.6	370.3	419.2
Cement	000 metric tons	1719	1824	2500	3294	3403
Commercial vehicles	units	020 ² / ₃	0	960	10935	12398
Trucks	units	na	na	na	160	306
Buses	units	na	0	0	1563	1678
Passenger cars	units	na	na	na	45.3	57.2
Merchant vessels b/	COO GRT	na	5.6	6.7	14.40	14.30
Lumber	million cubic meters	16.30	12.97	13.43	14.3	14.6
Total Footwear	million pairs	na	8.6	14.9	40.3	23.2
Leather	million linear meters	2.8	4.9	8.5	20.8	23.2
Cotton fabric	units	230.0	344.0	432.0	499.5	526.1
Tractors	units	na	1200	3800	6900	7808
Mainline locomotives	units	28	242	244	215	258
Mainline freight cars	units	369	16633	17136	12496	15431
(2 axle equivalent units)						
Machine tools	units	1160	3290	4100	9130	11900
						13000

a. 1937

b. Maritime vessels excluding fishing vessels.

TABLE 20

Rumania: Industrial Production

	Units	Pre-War 1938	1948	1950	1953	1954	1955
Hard coal	000 metric tons	330	280	370	535	565	620
Brown coal and lignite	000 metric tons	2496	2804	3516	4810	5070	5530
Crude petroleum	000 metric tons	6600	4000	5100	9100	9800	10600
Electric power	billion kw/h	1.15	1.50	2.17	3.4	4.0	4.3
Crude steel	000 metric tons	280	340	555	716	627	765
Copper (refined)	metric tons	580	440	700	2300	3700	3700
Aluminum	metric tons	0	0	0	0	2200	2200
Sulphuric acid (100% acid basis)	000 metric tons	44.0	26.4	51.6	55.6	73.6	92.0
Cement	000 metric tons	500	650	1020	1896	1600	2000
Commercial vehicles	units	0	0	0	100	250	2000
Trucks	units	0	0	0	0	0	na
Buses	units	0	0	0	0	0	0
Passenger cars	000 GRT	0	0	0	0	0	0
Merchant vessels a/	million cubic meters	19.0	15.0	15.0	15.80	17.40	16.90
Lumberg	million pairs	4.03	2.83	11.20	11.73	13.4	17.7
Total footwear		3.6	2.6	8.58	9.0	10.3	13.0
Leather	million linear meters	148.6	114.3	207.2	280.6	301.4	350.0
Cotton fabric	units	2000	940	3320	4650	5000	5000
Tractors	units	na	75	90	60	100	110
Mainline locomotives	units	4000	na	4000	5000	6000	6000
Mainline freight cars							
(2 axle equivalent units)							
Machine tools	units	0	60	300	900	1200	1500

a. Maritime vessels excluding fishing vessels

TABLE 21

Sources of Commercial Energy in the
European Satellites, 1938, 1950 and 1955
 (Millions metric ton coal equivalent)*

	<u>1938</u>	<u>1950</u>	<u>1955</u>
<u>A. European Satellites</u>			
Hard coal	90.0	101.3	124.1
Brown coal and lignite	53.6	69.1	103.1
Crude petroleum	12.2	7.7	17.5
Natural gas	2.6	2.8	5.1
Hydroelectric power	<u>0.8</u>	<u>1.7</u>	<u>2.8</u>
TOTAL	159.2	182.6	252.6
 <u>B. Albania</u>			
Hard coal	0.0	0.0	0.0
Brown coal and lignite	0.0	0.0	0.1
Crude petroleum	0.2	0.2	0.4
Natural gas	0.0	0.0	0.0
Hydroelectric power	<u>0.0</u>	<u>0.0</u>	<u>0.0</u>
TOTAL	0.2	0.2	0.5
 <u>C. Bulgaria</u>			
Hard coal	0.1	0.2	0.5
Brown coal and lignite	0.6	1.8	3.0
Crude petroleum	0.0	0.0	0.2
Natural gas	0.0	0.0	0.0
Hydroelectric power	<u>0.1</u>	<u>0.2</u>	<u>0.6</u>
TOTAL	0.8	2.2	4.3
 <u>D. Czechoslovakia</u>			
Hard coal	15.8	18.5	23.2
Brown coal and lignite	9.6	16.5	24.4
Crude petroleum	0.0	0.1	0.2
Natural gas	0.0	0.0	0.1
Hydroelectric power	<u>0.4</u>	<u>0.8</u>	<u>1.1</u>
TOTAL	25.8	35.9	49.0
 <u>E. East Germany</u>			
Hard coal	3.5	2.8	2.6
Brown coal and lignite	35.9	41.1	60.0
Crude petroleum	0.0	0.0	0.1
Natural gas	0.0	0.0	0.0
Hydroelectric power	<u>0.2</u>	<u>0.2</u>	<u>0.3</u>
TOTAL	39.6	44.1	63.0
 <u>F. Hungary</u>			
Hard coal	1.0	1.4	2.7
Brown coal and lignite	5.0	7.1	12.0
Crude petroleum	0.1	0.6	2.1
Natural gas	0.0	0.1	0.2
Hydroelectric power	<u>0.0</u>	<u>0.0</u>	<u>0.0</u>
	6.1	9.2	17.0

* Conversion factors for brown coal, crude petroleum, natural gas from UN, Statistical Yearbook, 1955, pp. 607-8.

TABLE 21 cont.

Sources of Commercial Energy in the
European Satellites, 1938, 1950 and 1955
 (Millions metric ton coal equivalent)*

	<u>1938</u>	<u>1950</u>	<u>1955</u>
G. <u>Poland</u>			
Hard coal	69.3	78.0	94.5
Brown coal and lignite	1.7	1.4	1.8
Crude petroleum	0.6	0.2	0.2
Natural gas	0.6	0.1	0.3
Hydroelectric power	<u>0.0</u>	<u>0.4</u>	<u>0.6</u>
TOTAL	72.2	80.1	97.4
H. <u>Rumania</u>			
Hard coal	0.3	0.4	0.6
Brown coal and lignite	0.8	1.2	1.8
Crude petroleum	11.3	6.6	14.3
Natural gas	2.0	2.6	4.5
Hydroelectric power	<u>0.1</u>	<u>0.1</u>	<u>0.2</u>
TOTAL	14.5	10.9	21.4

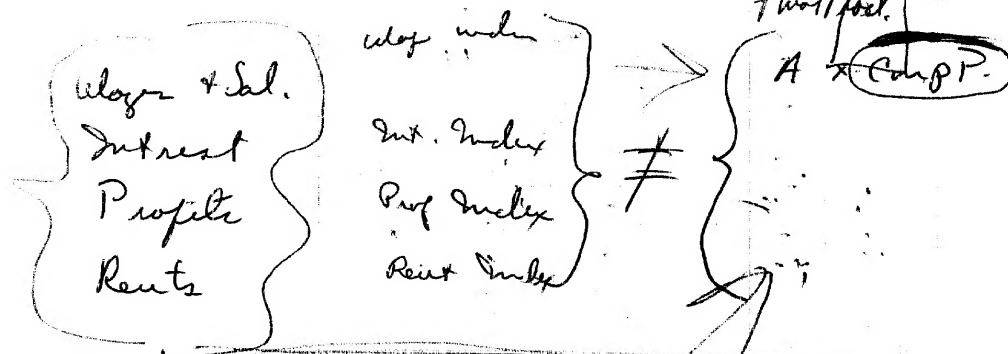
* Conversion factors for brown coal, crude petroleum, natural gas from UN, Statistical Yearbook, 1955, pp. 607-8.

TABLE 22

Growth of Output of Selected Commodities
 (1938 = 100)

	<u>1938</u>	<u>1948</u>	<u>1950</u>	<u>1953</u>	<u>1954</u>	<u>1955</u>
Hard coal	100.0	102.5	112.2	127.1	132.2	137.6
Brown coal and lignite	100.0	101.0	123.4	158.6	168.4	182.8
Electric power	100.0	108.5	136.3	188.9	207.3	229.8
Crude petroleum	100.0	42.5	63.4	111.3	123.0	142.3
Crude steel	100.0	93.7	123.3	190.2	207.3	224.2
Copper (refined) a/	100.0	55.7	107.4	172.5	252.0	336.4
Aluminum (primary)	100.0	12.2	29.4	59.0	87.9	122.4

a. Output in Czechoslovakia and Poland in 1938 (for which estimates are not available) is assumed to be negligible.



VA

Cons.
Inv.

Gov.
Firm Sales
1,